

ICT

Preparation book

5th Prim



2024 - 2025



Teacher's Biography

Name:

School:

The educational administration:.....

Qualification:

Teaching Subject:

Comprehensive School:

The school to which he is delegated:

Date of appointment:

The job is on the staff:

Teacher Code:

Mobile Number:

Teacher

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Supervisor

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School Principal

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Daily Class Schedule

Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Teacher

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Supervisor

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School Principal

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The specific objectives of computer and information technology

- **Providing** students with the appropriate amount of scientific and basic knowledge and skills related to how to solve problems
- **Develop** basic scientific thinking skills
- **Gaining** the ability to use technical means , multimedia, and networks and employing them as tools to serve and integrate with different fields of study
- **Training** students to work in a team by practicing computer techniques
- **create** Websites and define their properties
- **Developing** students' awareness of the importance of technological awareness and cultural communication
- **Acquisition of** concepts of the principles of designing web pages
- **appreciation** of the role played by science and scientists
- **recognize** On the suite of Microsoft Office programs
- **Raising** students' awareness of the concept of information ethics and the rules of safe use of the Internet
- **It collects** data and presents it in an interesting way

Teacher

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Supervisor

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School Principal

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The specific objectives of computer and information technology

- **Identify** some technology used to explore the earth.
- **Explain** the different terms for technology.
- **Discuss** the history of ICT.
- **Discuss** How to use Technology in our daily life.
- **Explain** the main components of a computer system.
- **Explain** the basic functions of operating systems and software
- **Realize** the importance of the operating system of a computer
- **Explain** the definition of assistive technology
- **Discusses** how technology is improving the lives of people of determination
- **Suggest** a technology that can contribute to improving the lives of others
- **Discuss** the problems he has experienced at school or at home.
- **Suggest** solutions to common ICT problems.
- **Explain** why technological solutions must match people's lives
- **Describe** online risks and dangers.
- **Explain the** importance of keeping personal information privacy.
- **Discuss** the method of choosing words key to be used in the research Online
- **Realize** the importance of search engines for children
- **Define** the characteristics of sources reliable online sources.
- **Describe** reliable sources of information and unreliable online.
- **Explain** the purpose of Egyptian knowledge bank.
- **Describe** the role of control management Internet crimes
- **Realize** importance of creating strong password.
- **Discuss** the importance of good anti-viruses software.
- **Identify** an important topic to raise awareness.

Teacher

Supervisor

School Principal



Distribution of the content of computer, Information Technology and communication For the 5th primary grade – First term for year 2024-2025

The first axis: (The role of information and communication technology in our lives)			
1		Lesson 1	Active Explorer) Fred Hibbert)
		Lesson 2	Computer accessories
2		Lesson 3	Networks
		Lesson 4	Digital communication tools
3		Lesson 5	Internet connection problems and solutions
		Lesson 6	Digital file management
4		Lesson 7	Information search strategies
		Lesson 8	Share information
5		General review on the first axis	
The second axis: (Digital safety and security precautions)			
6		Lesson 1	Active explorer)Jeff Kirby)
		Lesson 2	Protecting ourselves and our information
7		Lesson 3	Password security
		Lesson 4	How to deal with fake websites
8		Lesson 5	Intellectual property rights
		Lesson 6	Use of digital sources
9		Lesson 7	Advanced searches
		Lesson 8	Document the information appropriately
10		General review on the second axis	

Teacher

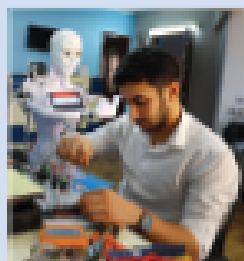
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Supervisor

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School Principal

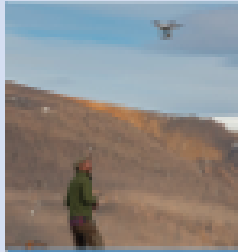
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THEME 1 Role of Information and Communication Technology (ICT) in our lives

Essential Question: How can we use ICT tools together, even when we're in different places?

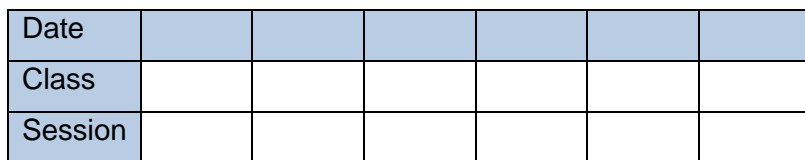
LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
LESSON 1 Explorer in Action	<ul style="list-style-type: none"> How archaeologists use ICT to share information Different ways to record information 	Learning to do: decision-making	Academic values: appreciation of technology	Globalization issues: technological awareness
LESSON 2 Computer accessories	<ul style="list-style-type: none"> Basic computer hardware concepts Common computer problems 	Learning to do: decision-making	Academic values: perseverance	Globalization issues: technological awareness
LESSON 3 Networks	<ul style="list-style-type: none"> Different types of networks How computer technology has advanced from the 80s to today 	Learning to know: critical thinking Learning to live together: communication	Work values: curiosity, appreciation of science and scholars	Globalization issues: technological awareness
LESSON 4 Digital communication tools	<ul style="list-style-type: none"> How people communicate using computer networks Basic scientific concepts relating to ICT tools How computer networks help people of determination 	Learning to live together: communication Learning to be: sharing	Academic values: appreciation of technology Personal values: independence	Globalization issues: digital citizenship, civilizational communication
LESSON 5 Internet connection problems and solutions	<ul style="list-style-type: none"> Common ICT issues How to troubleshoot problems using a process 	Learning to do: decision-making Learning to know: problem-solving	Academic values: perseverance	Globalization issues: technological awareness
LESSON 6 Digital file management	<ul style="list-style-type: none"> Different device accessories File systems How to organize information 	Learning to be: self-management Learning to know: creativity	Personal values: independence	Globalization issues: digital citizenship
LESSON 7 Information search strategies	<ul style="list-style-type: none"> How to plan effective searches Using keywords and subtopics 	Learning to do: decision making Learning to know: critical thinking	Academic values: curiosity Citizenship values: participate in scholarly research	Globalization issues: digital citizenship, technological awareness
LESSON 8 Sharing information	<ul style="list-style-type: none"> Posting information on an intranet / the internet How to share information on spreadsheets 	Learning to live together: communication Learning to do: decision making Learning to know: critical thinking	Work values: perseverance Personal values: independence Citizenship values: participate in scholarly research	Globalization issues: technological awareness



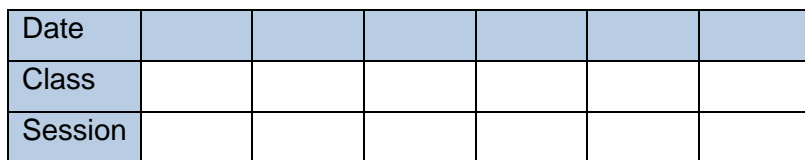
THEME 2 Digital safety and security precautions

Essential Question: How do we keep ourselves and our data safe and secure when using ICT tools?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
LESSON 1 Explorer in Action	<ul style="list-style-type: none"> • Copyright in relation to photographs • Importance of backing up photograph files 	Learning to do: decision-making	Academic values: appreciation of technology	Globalization issues: technological awareness
LESSON 2 Protecting ourselves and our information	<ul style="list-style-type: none"> • Protecting personal information and data • Backing up data 	Learning to be: communication	Personal values: independence	Citizenship issues: legal awareness
LESSON 3 Password security	<ul style="list-style-type: none"> • The importance of password protection • Using multi-factor authentication 	Learning to know: critical thinking	Work values: proficiency	Globalization issues: technological awareness
LESSON 4 How to deal with fake websites	<ul style="list-style-type: none"> • Identifying who can help with problems with websites 	Learning to know: critical thinking	Work values: proficiency	Citizenship issues: legal awareness
LESSON 5 Intellectual property rights	<ul style="list-style-type: none"> • What copyright means • When to attribute a creator's work 	Learning to do: communication, self-management Learning to live together: empathy	Work values: respect	Citizenship issues: legal awareness Globalization issues: digital citizenship
LESSON 6 Using digital sources	<ul style="list-style-type: none"> • Identifying reliable websites to use as research sources • Using multiple sources 	Learning to do: decision-making	Work values: transparency and integrity	Globalization issues: technological awareness
LESSON 7 Advanced searches	<ul style="list-style-type: none"> • Specific and accurate online search terms • Search engines and advanced searching tools 	Learning to do: productivity	Scientific values: curiosity Work values: proficiency, perseverance	Globalization issues: civilizational communication
LESSON 8 Documenting information appropriately	<ul style="list-style-type: none"> • Paraphrasing online content • How to quote online content • How to cite online sources 	Learning to do: decision-making, productivity	Work values: proficiency	Citizenship issues: legal awareness



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Date						
Class						
Session						

First Axis (The role of ICT in our lives) Lesson 3: Networks

Lesson objectives: By the end of this lesson the student will be able to:

- **Explain** what a network is
- **Describe** the different types of networks
- **Explain** how far communication via computers and communication devices has advanced from the 1980s to today.

Strategy:

Teaching aids:

Warm Up :

Brainstorming - peer learning - dialogue and discussion

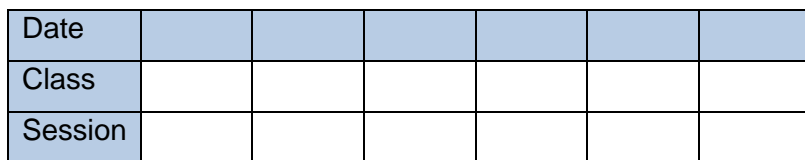
Electronic whiteboard - Student's book- presentation

What does the word network mean to you?

Lesson Presentation



Evaluation :



Lesson objectives: By the end of this lesson the student will be able to:

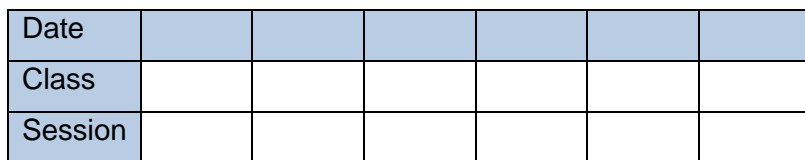
- **Describe** different ways that people can use computer networks to communicate
- **Explain** basic concepts related to IT tools
- **Understand** the importance of networks in facilitating daily life

Strategy: Brainstorming - dialogue and discussion - creative thinking

Teaching aids: Electronic whiteboard - Student's book- presentation

Warm Up : **How do you feel about talking to your friends face to face?**

[illegible]



Lesson 5: internet connection problems and solutions

- **Describe** common ICT issues.
- **Come up** with solutions to common ICT problems
- **Explain** how following a process helps me to troubleshoot problems. Problem solving - practical training - dialogue and discussion

Electronic whiteboard - Student's book- presentation

Teaching aids:

Warm Up :

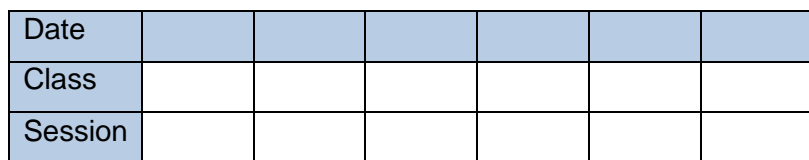
What issues have you run into with ICT tools?

Lesson Presentation

[illegible]

Evaluation :

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Lesson objectives: By the end of this lesson the student will be able to:

- ## Strategy:

Cooperative learning - dialogue and discussion - practical training

Teaching aids:

Electronic whiteboard - Student's book- presentation

Warm Up :

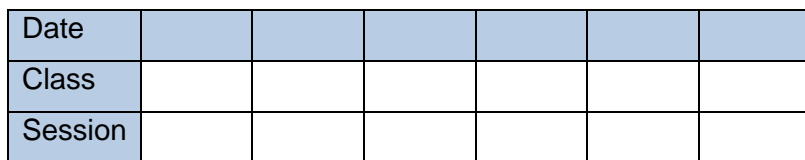
What is the best way for you to keep your schoolwork, toys, photographs, and clothes organized?

Lesson Presentation

[illegible]

Evaluation :

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Lesson objectives: By the end of this lesson the student will be able to:

- ### Strategy:

Brainstorming - dialogue and discussion - critical thinking

Teaching aids:

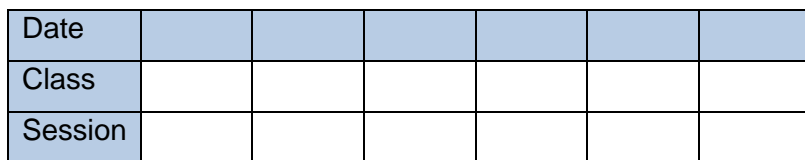
Electronic whiteboard - Student's book- presentation

Warm Up :

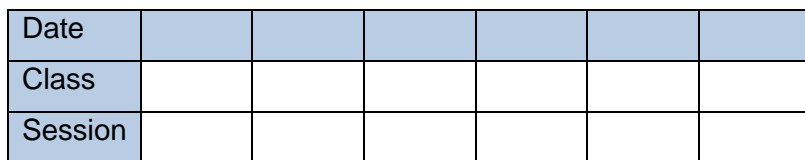
What are strategies you use or would use when searching for information online?

[illegible]

Evaluation :



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Lesson objectives: By the end of this lesson the student will be able to:

- ## Strategy:

Brainstorming - dialogue and discussion - cooperative learning

Teaching aids:

Electronic whiteboard - Student's book- presentation

Warm Up :

After what you learned in the first axis How can information And communication technology be used together, even when we are in different places?

This image shows a full page of a document template designed for handwritten notes or answers. It features approximately 20 horizontal dashed lines spaced evenly down the page, providing a guide for letter height while leaving space for individual characters and words. The background is plain white, and there are no margins, headers, or footers visible.

Evaluation :

Axis 2



2

2024 - 2025

Date						
Class						
Session						

Second Axis (Digital safety and security precautions)

Lesson 1 : Active Explorer (Jeff Kerby)

Lesson objectives: By the end of this lesson the student will be able to:

- **Explain** the importance of copyright protection.
- **Planning** a photography expedition
- **Identify** some technological problems and ways to solve them

Strategy:

Active learning - dialogue and discussion

Teaching aids:

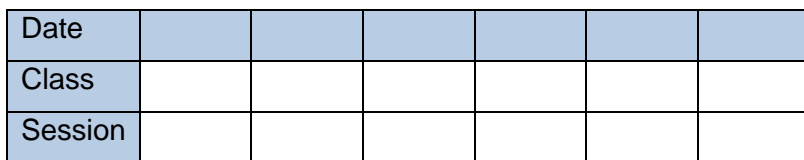
The Student's book - the electronic whiteboard - an introductory video by Jeff Kirby.

Warm Up :

How do you plan a trip to another city? What do you take with you?

Lesson Presentation

Evaluation :



Lesson objectives: By the end of this lesson the student will be able to:

- ## Strategy:

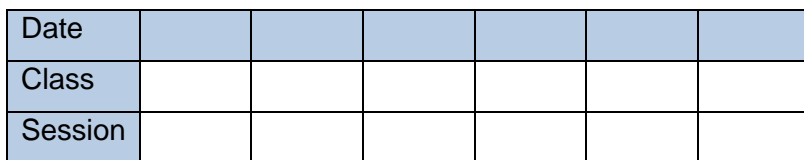
Teaching aids:

Student's book- electronic board - presentation

Warm Up :

Lesson Presentation

Evaluation :



Lesson objectives: By the end of this lesson the student will be able to:

- **Understand** the importance of password protection.
- **Explain** the purpose of a password manager
- **Discuss** how to use multi-factor authentication to protect data and accounts

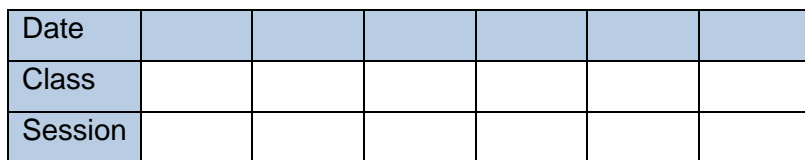
Strategy: Cooperative learning - presentation and discussion

Teaching aids: The Student's book- the electronic whiteboard - the presentation - flashcards for a group of correct and incorrect passwords

Warm Up : **How many different passwords do you use on your devices and online?**

This image shows a full page of white paper with horizontal dashed lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the paper.

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Lesson objectives: By the end of this lesson the student will be able to:

- ### Strategy:

Exploration - dialogue and discussion - role-playing

Teaching aids:

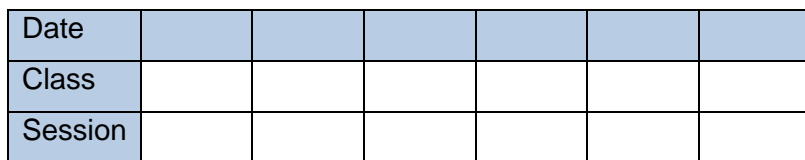
Student's book- electronic board - present

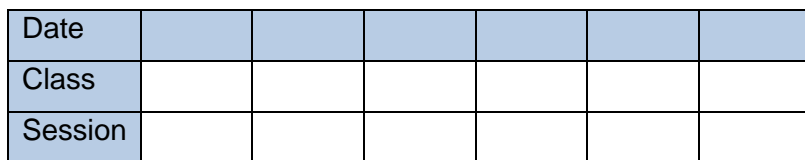
Warm Up :

People often say "It is too good to be true!" Do you believe that?

[illegible]

Evaluation :





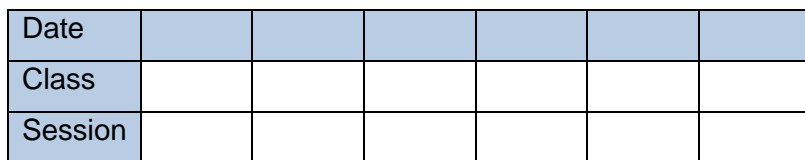
Lesson objectives: By the end of this lesson the student will be able to:

- **Use** ICT tools and sources to support decision-making processes.
- **Differentiate** between opinions and facts in different sources
- **Explain** the different kinds of sources that can be used to conduct online research

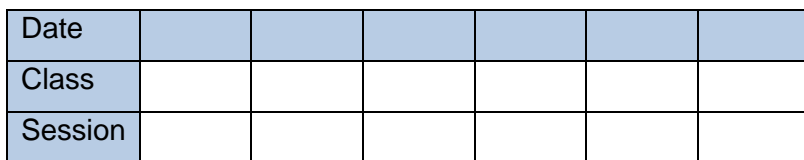
Teaching aids: Student's book- electronic board - presentation

Warm Up : What are the characteristics of a reliable online source?

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook paper. There are no margins, text, or other markings on the page.



Evaluation :



Lesson objectives: By the end of this lesson the student will be able to:

- ### Strategy:

Cooperative learning – dialogue and discussion - practical training

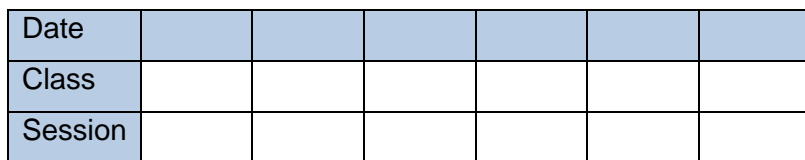
Teaching aids:

Student's book- electronic board - presentation

Warm Up :

Lesson Presentation

Evaluation :



Lesson objectives: By the end of this lesson the student will be able to:

- **Define** some technological problems and ways to solve them.
- **Explain** the different types of sources that can be used for Internet research.
- **Uses** advanced search engines and search tools

Brainstorming - dialogue and discussion - cooperative learning
Electronic whiteboard - Student's book- presentation

Lesson Presentation

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